

METHOD AND APPARATUS FOR TRANSFORMING A HIGH DYNAMIC RANGE IMAGE INTO A LOW DYNAMIC RANGE IMAGE

Abstract

A method and an apparatus for transforming a high dynamic range image into a low dynamic range image. The method includes converting first luminance values associated with pixels into a plurality of second luminance values, and utilizing a film transfer function for mapping the second luminance values associated with the pixels into a plurality of third luminance values to generate the low dynamic range image. A second luminance range of the second luminance values is smaller than a first luminance range of the first luminance values, and the film transfer function adds no visual artifact to the low dynamic range image.